

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization
International Bureau



(43) International Publication Date
24 July 2003 (24.07.2003)

PCT

(10) International Publication Number
WO 03/061303 A2

(51) International Patent Classification⁷: **H04Q 1/14**,
H01R 9/24

(21) International Application Number: PCT/EP03/00461

(22) International Filing Date: 17 January 2003 (17.01.2003)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
202 00 746.4 18 January 2002 (18.01.2002) DE

(71) Applicant (for all designated States except US): **3M IN-
NOVATIVE PROPERTIES COMPANY** [US/US]; PO
Box 33427, St. Paul, MN 55133-3427 (US).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **SCHLÜTER**,
Dietrich [DE/DE]; Buerboomweg 76, 46284 Dorsten

(DE). **OTTO, Hans-Dieter** [DE/DE]; Breslauer Str.
1a, 51688 Wipperfurth (DE). **BUND, Christine**
[DE/DE]; Triebelsheider Weg 70, 42111 Wuppertal
(DE). **PFANNKUCHEN, Ralf** [DE/DE]; Schneewittchen-
weg 33, 42111 Wuppertal (DE). **DENTER, Friedrich**
[DE/DE]; Mittelstr. 27, 44575 Castrop-Rauxel (DE).

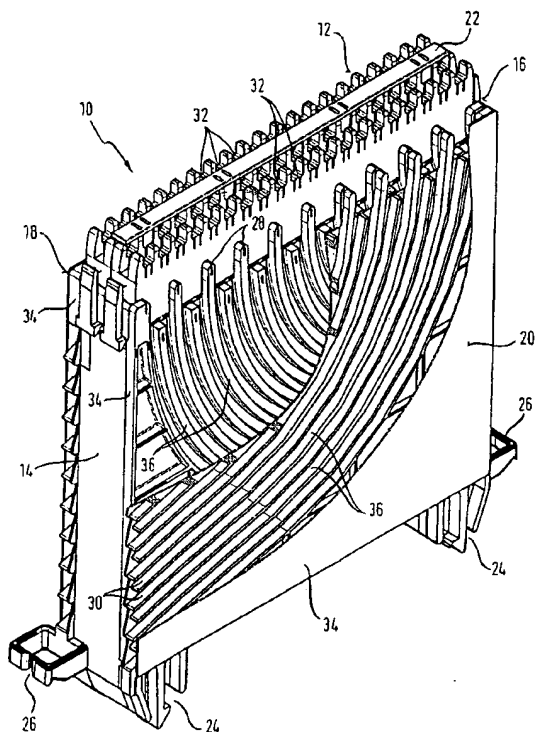
(74) Agent: **HOFFMANN EITLE**; Arabellastrasse 4, 81925
München (DE).

(81) Designated States (*national*): AE, AG, AL, AM, AT, AU,
AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU,
CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH,
GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC,
LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW,
MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SD, SE,
SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ,
VC, VN, YU, ZA, ZM, ZW.

(84) Designated States (*regional*): ARIPO patent (GII, GM,
KE, LS, MW, MZ, SD, SI, SZ, TZ, UG, ZM, ZW),

[Continued on next page]

(54) Title: TERMINAL BLOCK AND WIRE DISTRIBUTOR INCLUDING AT LEAST ONE TERMINAL BLOCK



(57) **Abstract:** A telecommunications terminal block includes at least one contact module. The contact module features a front side and a rear side, an upper side and a lower side, a first side and a second side opposite the first side. Furthermore, the contact module features at least one row of contacts extending between the first side and the second side. The contacts are exposed at the front side. For another thing, the terminal block includes wire guides arranged at the upper side and/or lower side of the contact module. The wire guides lead cable conductors from the front side to the first side or second side. The wire guides are grouped together into arrays, the wire guides of which each lead to a single side. At least two arrays, a first array and a second array, of wire guides, adjoin each other and at least one row of contacts of each contact module and are assigned to this row of contacts. The wire guides of each such array lead to opposite sides.

WO 03/061303 A2